

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY MATERIEL COMMAND
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333-0001

AMC REGULATION
No. 10-6

28 November 1997

Organization and Functions

MISSION AND MAJOR FUNCTIONS OF THE
U.S. ARMY MATERIEL SYSTEMS ANALYSIS ACTIVITY

Local supplementation of this regulation is prohibited.

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1. Purpose. This regulation prescribes the mission and major functions of the U.S. Army Materiel Systems Analysis Activity (AMSAA), a separate reporting activity of the U.S. Army Materiel Command (AMC).

2. Mission. The Army Materiel Systems Analysis Activity (AMSAA) provides materiel and logistics systems analysis for the Army to support the decision making process. AMSAA performs analysis to reduce uncertainty in the development, fielding and support of materiel systems. From the initial identification of need, through concept and requirements definition, to the building of a new systems and the ultimate fielding and support of those systems, the Army requires continuous analysis of effectiveness, acquisition management principles and performance in order to make prudent and informed decisions. AMSAA applies acquisition improvement principles that will expedite the fielding of Army materiel; access the capability of contractors to meet Army development, production and fielding requirements; and resolve industrial base issues that inhibit equipping and sustaining the army. AMSAA develops necessary analytical tools and methodologies

*This regulation supersedes AMC-R 10-6, 31 October 1989 and AMC-R 10-13, 4 June 1996.

and then exercises those tools to provide decision makers at all levels the information required to support those decisions.

Core Mission Areas include materiel systems analysis and logistics systems analysis, acquisition improvement, value engineering, engineering data management systems, integrated products and process management, pollution prevention and industrial base technology and responsiveness.

a. AMSAA is the Army's Center of Excellence for materiel systems analysis. Materiel systems analysis supports the U.S. Army Materiel Command core competencies in the areas of Acquisition Excellence and Technology Generation and Application. Materiel Systems analysis is comprised of the following core competencies:

- (1) Item and system level performance.
- (2) Modeling and simulation.
- (3) Investment strategy.
- (4) Manufacturing, production and industrial base.

b. AMSAA has an extensive logistics systems analysis capability that supports the AMC Logistics Power Projection core competency. Logistics Systems Analysis is comprised of the following core competencies:

- (1) Logistics modeling and methodology.
- (2) Wholesale, retail logistics, force projection and sustainment and industrial base technologies. (Additional AMSAA core competency with the consolidation of the Industrial Engineering Activity into AMSAA, scheduled for 1 October 1997.)

3. Major functions. a. Provide the central independent technical capability for AMC in the development/conduct of systems analyses and cost-effectiveness studies as follows:

- (1) Serve as the principal adviser to the Commander, AMC and provide consultation to the Headquarters staff on matters pertaining to systems analysis and operations research.
- (2) Develop and issue policy and guidance to ensure responsive systems analysis procedures and high quality products.

(3) Coordinate and participate in systems analysis efforts directed by higher headquarters or for which AMC support is requested by other major headquarters, to include efforts such as analysis of alternatives.

b. Maintain AMC systems analysis capability as follows:

(1) Conduct continuing research in disciplines basic to systems analysis to discover or formulate new or improved methodologies and to identify critical knowledge voids.

(2) Provide for the identification, collection, generation, and sending of systems analysis input data and identify critical data voids.

(3) Maintain currency in the systems analysis state-of-the-art by contacts with industrial, academic, other government activities, and system analysis activities of allied governments with whom the United States has appropriate agreements.

(4) Review selected AMC reports for soundness, consistency, relevancy, and coherency of the application of mathematical and systems analysis/operations research techniques.

(5) Promote the exchange of systems analysis data among AMC activities, contractors, other military services, and allied governments.

(6) Coordinate the design of analytical models and encourage the common use of these models throughout AMC.

(7) Serve as AMC proponent for operations research/systems analysis courses taught at the U.S. Army Logistics Management College (ALMC) and U.S. Army Management Engineering College (AMEC).

c. Analyze draft materiel requirement documents, including training device requirements, letters of agreement, letter requirements, required operational capabilities, and mission element-need statements, to assure that the requirements will permit all suitable candidates to be considered and evaluated.

d. Serve as the AMC center for studies relating to the integration of materiel systems on the battlefield and for analyses of issues relating to materiel interoperability.

e. Serve as AMC's lead activity for support of the Army Model Improvement Program (AMIP), to include planning and defining the data base in support of AMIP and ensuring that performance and interoperability/interface requirements are properly defined.

f. Conduct system survivability analyses of fielded and developmental equipment.

g. Provide systems analysis support to AMC major subordinate commands (MSC), project/product managers, U.S. Army Operational Test and Evaluation Command (OPTEC), and other activities throughout Department of Defense (DOD).

h. Upon request, provide evaluations of logistical supportability and materiel producibility support for Headquarters (HQ) AMC and higher headquarters.

i. Conduct logistics research and operations studies leading to the solution of inventory and distribution problems and to the improvement of Army and defense logistics, logistics management, inventory management, and techniques, including the development of new logistics concepts, policies, and procedures.

j. Conduct qualified assessments and estimates of materiel system effectiveness (performance) in the total envisioned spectrum of the combat/combat support/combat service support environment, to include readiness aspects of performance.

k. Coordinate and administer, at the request of the Joint Technical Coordinating Group for Munitions Effectiveness (JTTCG/ME), joint review efforts to improve analytical methodology and the data bases used in the determination of nonnuclear weapon system effectiveness.

l. Manage the technical and fiscal aspects of the JTTCG/ME Program for the JTTCG/ME steering committee in coordination with HQ AMC and other military services.

m. Serve as executive agent for the Army Battle Damage Repair Program (ABDRP) responsible for directing and controlling the formulation and execution of the research and development activities of the program. Serve as co-chairman of the ABDRP program advisory group.

n. Manage the Field Exercise Data Collection (FEDC) effort and conduct data analysis.

o. Serve as Army's Assistant Functional Chiefs Representation for GS-1515 Subprogram under the Engineer and Scientists - Nonconstruction (NC) career program.

p. Serve as the Secretariat for the North American Technology and Industrial Base Organization (NATIBO).

q. Support the Deputy Chief of Staff for Research, Development and Acquisition (DCSRDA) Program for: Acquisition Improvements; Industrial Base (including Force XXI); Integrated Product and Process Management; Computer Integrated Manufacturing; Engineering Data Management; Value Engineering; Government Furnished Property; Army Acquisition Pollution Prevention; and Product Engineering. Support the Assistant Secretary of the Army for Research, Development and Acquisition ASA (RDA), Army Acquisition Pollution Prevention Program through the Deputy for Combat Services Support, ASA(RDA).

4. Funding. To assure independence in the conduct of the AMSAA mission, the primary source of funding for normal mission activities is HQ AMC. These funds may be supplemented by customer funding.

5. Relationships. a. Direct communications between AMSAA and AMC staff elements is authorized for coordination of work load and tasking.

b. Administrative and logistical support will be acquired via support agreements with appropriate activities at Aberdeen Proving Ground, Maryland, Corps of Engineers, Philadelphia, Pennsylvania, and Rock Island Arsenal, Illinois.

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The proponent of this regulation is the United States Army Materiel Command. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, HQ AMC, ATTN: AMCRM-O, 5001 Eisenhower Avenue, Alexandria, VA 22333-0001.

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